



ENVIRONMENTAL SPECIFICATION GUIDANCE FOR APPLIANCES

The Office of Contracting and Procurement has developed environmentally preferable specifications and supporting documentation for a variety of product and service categories. District staff can access solicitation documents with environmental requirements and contract language by clicking [here](#).



Scope

This specification addresses the following types of appliances:

1. Dishwashers
2. Refrigerators
3. Freezers
4. Room air conditioners
5. Ovens
6. Food service equipment (fryers, griddles, ice makers, hot food holding cabinets, steam cookers)
7. Clothes washers
8. Water coolers
9. Vending machines
10. Televisions

BENEFITS

127,000

Kilowatt-hours of electricity saved each year if the District purchases **50 ENERGY STAR** commercial dishwashers instead of less efficient models

Which is the equivalent of **100** tons of greenhouse gas emissions

Additionally, this would save **739,000** gallons of water and **\$20,400** per year

SOURCE

Commercial Kitchen Calculator at www.energystar.gov/buildings/facility-owners-and-managers/existing-buildings/save-energy/purchase-energy-saving-products

Specification Language

Appliances purchased by the District of Columbia shall meet the environmental criteria defined below.

1. Appliances shall be ENERGY STAR certified, using the most recent version of the ENERGY STAR certification system in effect at the time of purchase.
2. Appliances shall use ENERGY STAR settings as the default.
3. An appliance contractor shall notify purchasers of any available take-back service for reuse, refurbishment, and/or recycling for purchased appliances and previously purchased appliances, including information on how to utilize the service. This information shall be made available to the purchaser at time of purchase through written or online documentation.





Reporting

At the frequency specified in the solicitation, the Contractor shall submit to the Contracting Officer an EPPS Report, indicating that the products supplied to the District comply with the District's EPPS criteria. The following information shall be included in the report:

- a) Contractor
- b) Contract award date
- c) Contract #
- d) PO #
- c) Product description
- d) Model #
- e) Number of units sold
- f) Price per unit
- g) Total cost
- h) Compliance with DC environmental criteria – Indicate whether each item purchased is compliant with DC environmental requirements. If the environmental requirement was not specified in the solicitation, indicate NA.
- i) Name and contact information for entity providing take back service

An EPPS reporting template is available to assist Contractors in meeting the District's EPPS Reporting requirements. Click [here](#) to access this and other solicitation documents.

Background Information



ENERGY STAR certification indicates that the product meets specific energy and water use criteria established by the ENERGY STAR program. ENERGY STAR is a voluntary program run by the U.S. Environmental Protection Agency (EPA) and the

U.S. Department of Energy. Among other efforts, ENERGY STAR certifies products that demonstrate that they meet defined energy and water use criteria through third-party testing in EPA-recognized laboratories. Certified products are allowed to use the ENERGY STAR label. ENERGY STAR products are widely available. For example, as of 2012, ENERGY STAR commercial dishwashers, commercial refrigerators and freezers, and commercial ovens accounted for approximately 71%, 54%, and 56% of the market, respectively.

The use of **appliance take-back services** ensures that appliances that have reached the end of their useful life have been recycled, re-purposed, or reused. Recycling is the most widely used option because of the value of the steel and other recyclable components. About 10 percent of the steel processed by the recycling industry comes from large appliances. According to the Steel Recycling Institute, appliances are made up of approximately 65% steel. The remaining materials include other metals such as aluminum, zinc and copper, as well as recyclable plastics and refrigerants. More information on appliance recycling is available from the Chicago Recycling Coalition and Appliance Recycling Information Center (ARIC). District employees may donate used products to the Surplus Property Division (SPD). For more information about how to utilize the SPD please call the OCP Customer Contact Center at 202-724-4477.



Environmental Hotspots	The most important environmental benefits associated with this specification
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ENERGY CONSUMPTION	The ENERGY STAR label identifies energy efficient products that have been demonstrated through a third-party certification process.
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WATER CONSUMPTION	ENERGY STAR also addresses water efficiency for applicable products such as dishwashers and clothes washers.
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TOXICITY/HEAVY METALS	Appliance recycling through take-back services ensures that refrigerants and other toxic chemicals are properly removed during the process.
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RECYCLED CONTENT	Recycling steel and other materials through take-back services conserves energy and natural resources.
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END-OF-LIFE DISPOSAL	Contractors are required to notify purchasers if appliance take-back services are available. District employees may donate used products to the Surplus Property Division.
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Significance to the District	
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PPRA	PPRA § 104 specifies that products meet Default Environmental Standards. U.S. EPA's Comprehensive Procurement Guidelines which includes the ENERGY STAR standard.
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SUSTAINABLE DC PLAN	<u>Sustainable DC</u> Plan Energy: Goal 1 : "Improve the efficiency of energy use to reduce over-all consumption" aims to cut citywide energy used by 50% by 2032. Specifying Energy Star appliances helps the District to meet this goal.
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LEED FOR EXISTING BUILDINGS: O&M	This specification meets the requirements of LEED v4 EBOM. LEED's Materials and Resources: "Purchasing – ongoing" credit requires at least 40% of total purchases of electric-powered equipment (by cost) to be EPEAT-certified unless the product is not addressed by EPEAT, in which case an ENERGY STAR certification is acceptable. Except for televisions, the appliances addressed in this specification are not covered by EPEAT. To gain one point for this credit, ongoing consumables must meet a separate list of criteria.
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For more information about sustainable specification guidance or the District's Sustainable Purchasing Program, please visit: <http://ocp.dc.gov/page/sustainable-purchasing>, or call the OCP Customer Contact Center at: [202.724.4477](tel:202.724.4477) or email sppdc@dc.gov.